

AMENDMENTS TO THE CLAIMS:

Please cancel without prejudice claims 10 and 11, amend claim 2, and add newly written claims 12-17 as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (original) An apparatus for curing composite material including a temperature controlled vessel in which the material is placed during curing and an infra-red temperature measuring device located remotely from the component to measure the temperature of at least part of the material during curing.
2. (currently amended) An apparatus according to claim 1 wherein the measuring device sends temperature information to a system for controlling the temperature of the vessel which processes the information and changes the temperature of the vessel as necessary.
3. (previously presented) An apparatus as claimed in claim 1 wherein the measuring device is located within the vessel.
4. (previously presented) An apparatus as claimed in claim 1 wherein the measuring device is located outside the vessel.
5. (previously presented) An apparatus as claimed in claim 1 wherein the temperature controlled vessel is an autoclave.

6. (previously presented) An apparatus as claimed in claim 1 wherein the infra-red temperature measuring device is a camera.
7. (previously presented) An apparatus as claimed in claim 1 wherein the temperature across the whole of the material is monitored.
8. (original) A method for curing composite material including the steps of;
 placing the material in a temperature controlled vessel and then,
 curing the material and during the curing monitoring the taking temperature readings and
 monitoring the temperature of at least part of the material using an infra-red device remote from
 the material.
9. (original) A method as claimed in claim 8 including processing the temperature readings and
 then adjusting the temperature of the vessel to maintain a constant curing temperature.
10. (cancelled).
11. (cancelled).
12. (new) An apparatus for curing composite material including:
 a temperature controlled vessel in which the material is placed during curing; and an
 infra-red temperature measuring device located remotely from the component to measure the
 temperature of at least part of the material during curing, wherein the measuring device sends

temperature information to a system for controlling the temperature of the vessel which processes the information and changes the temperature of the vessel as necessary.

13. (new) A method for curing composite material, said method including the steps of:

placing the material in a temperature controlled vessel;

curing the material;

during said curing step, monitoring the temperature of at least part of the material using an infra-red device remote from the material; and

adjusting the temperature of the vessel to maintain a constant curing temperature.

14. (new) A method for curing composite material as claimed in claim 13 including the step of locating said infra-red device outside the vessel.

15. (new) A method for curing composite material as claimed in claim 13 wherein the temperature controlled vessel is an autoclave.

16. (new) A method for curing composite material as claimed in claim 13 wherein the infra-red temperature measuring device is a camera.

17. (new) A method for curing composite material as claimed in claim 13 wherein said monitoring step includes monitoring the temperature across the whole of the material.